

## Special Issue

# Cross-Kingdom RNA Trafficking for Crop Protection

### Message from the Guest Editor

Small RNA (sRNA)-mediated RNA interference (RNAi) is one of the key regulators in host immunity against bacteria, fungi, oomycetes, viruses, and pests. Except for working in host cells endogenously, these sRNAs can travel across the boundaries between organisms and induce gene silencing in the counterparty to suppress the virulence of pathogens, which is called cross-kingdom RNAi. Based on this discovery, host-induced gene silencing (HIGS) by transgenic expression of pathogen gene-targeting double-stranded (ds)RNA has been used to control pathogen attacks in many different crops. Furthermore, the direct application of dsRNAs or sRNAs onto host plants (referred to as spray-induced gene silencing, SIGS) has also been proved functional to suppress pathogen virulence and confers efficient disease control. This Special Issue will focus on “Cross-Kingdom RNA Trafficking for Crop Protection”. We welcome novel research, reviews and opinion pieces covering all related topics.

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### Guest Editor

Dr. Baoye He

Department of Microbiology and Plant Pathology, Center for Plant Cell Biology, Institute for Integrative Genome Biology, University of California, Riverside, CA 92521, USA

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### Deadline for manuscript submissions

closed (15 July 2022)



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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[agronomy@mdpi.com](mailto:agronomy@mdpi.com)

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### Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research,  
Charles Sturt University, Wagga Wagga, NSW 2678, Australia

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